

Clinical Trial Protocol

Iranian Registry of Clinical Trials

28 May 2026

Comparing effect of Iranian hydrogel with Maxgel and conventional dressing in the treatment of second degree burn in shahid sadoughi burn hospital

Protocol summary

Summary

Evaluation of Iranian hydrogel on repair of burned skin. Patients with grade two burn include in research, fewer than 10 and over 50 years old, specific area such: head, neck, axilla and perinea, patient with inflammatory disease and cases more than 24 hours last from burn excluded. Patients randomly divided in three groups, first with conventional dressing and two others with Iranian gel and Maxgel dressed in each group with 30 patients. The patients dressing continued until complete repair every other day. Severity of pain while dressing, remission rate and infection of skin will be measured and compared in three groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138902123853N1**
Registration date: **2012-06-02, 1391/03/13**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-06-02, 1391/03/13

Registrant information

Name

Mohamad Taghi Noorbala

Name of organization / entity

Shahid Sadoughi University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 35 1525 0094

Email address

noorbala@ssu.ac.ir

Recruitment status

Recruitment complete

Funding source

Yazd Radiation Application Research School

Expected recruitment start date

2010-06-01, 1389/03/11

Expected recruitment end date

2011-06-01, 1390/03/11

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing effect of Iranian hydrogel with Maxgel and conventional dressing in the treatment of second degree burn in shahid sadoughi burn hospital

Public title

Evaluation of efficacy and safety of Iranian Hydrogel in burn

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: only grad two skin burn
Exclusion criteria: burned surface more than 10%; axillary, groin, perinea, head and neck burn lasted more than 24h; Known immuno-compromised patients; patients with known systemic inflammatory disease.

Age

From **10 years** old to **50 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 30

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

1

Registry name

No

Secondary trial Id

No

Registration date

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of shahid Sadoughi Medical sciences University

Street address

Bahonar Square No. 1 Bulding of SSU, Yazd

City

Yazd

Postal code

Approval date

2009-01-11, 1387/10/22

Ethics committee reference number

94895

Health conditions studied

1

Description of health condition studied

Second Stage of Burning

ICD-10 code

T22

ICD-10 code description

Burn and corrosion of shoulder and upper limb, except wrist and hand

2

Description of health condition studied

Second Stage of Burning

ICD-10 code

T23

ICD-10 code description

Burn and corrosion of wrist and hand

3

Description of health condition studied

Second stage of burning

ICD-10 code

T21

ICD-10 code description

Burn and corrosion of trunk

4

Description of health condition studied

Second Stage of Burning

ICD-10 code

T24

ICD-10 code description

Burn and corrosion of hip and lower limb, except ankle and foot

5

Description of health condition studied

Second Stage of Burning

ICD-10 code

T25

ICD-10 code description

Burn and corrosion of ankle and foot

Primary outcomes

1

Description

Repair of burned surface

Timepoint

Every other day

Method of measurement

masurement of burn surface by ruler

Secondary outcomes

1

Description

Pain in dressing time

Timepoint

every other day

Method of measurement

Visual scale

Intervention groups

1

Description

Dressing of burned skin in all groups continued untile complete remission every other day. Group one dressing

as conventional mode with gas vaselin and silver sulfadiazin cream, in group two dressing with Iranian hydrogel (Product of Radiation Application Research School) and third group dressing with Maxgel (product of Fordgel company of hong-kong).

Category

Treatment - Other

Recruitment centers**1****Recruitment center****Name of recruitment center**

Shahid Sadoghi Burn Hospital

Full name of responsible person

Mohamad Taghi Noorbala

Street address**City**

Yazd

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Yazd Radiation Application Research School

Full name of responsible person

Mohamad Ali Taghavi Zade Ardakani

Street address

15 Km Yazd -Taft Road

City

Yazd

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Yazd Radiation Application Research School

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

empty

Person responsible for general inquiries**Contact****Name of organization / entity**

Shahid Sadoughi Medical Sciences University

Full name of responsible person

Mohamad Taghi Noorbala

Position

Associate Professor of Dermatology

Other areas of specialty/work**Street address**

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Full name of responsible person

Mohamad Taghi Noorbala

Position

Associate Professor of Dermatology

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Web page address**Sharing plan****Deidentified Individual Participant Data Set (IPD)**

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty